

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AN EAST COAST FEVER VACCINE BASED ON CTL- SPECIFIC SCHIZONT ANTIGENS

the specification of which was filed on Jan. 3, 2006 as Application No. 10/564,397.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at **Venable LLP**, P.O. Box 34385, Washington, DC 20043-9998, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no such foreign applications have been filed	
such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
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ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing
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CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under	Title 35,	United	States C	ode §119(e),	of any	United	States
provisional patent application(s) listed				•	•		

		no such	Ù.S.	provisional	applications	have been	filed
1		no such	U.S.	provisional	applications	nave beer	1

x such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/486,750	July 14, 2003	Yes

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

		no such	U.S./PCT	applications	have	been	filed
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x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
PCT/US2004/022605	Parent		July 14, 2004

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 26694

all of **Venable LLP**, P.O. Box 34385, Washington, DC 20043-9998, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Please mail all correspondence to Michael A. Gollin, whose address is:

Venable LLP P.O. Box 34385 Washington, DC 20043-9998

Please direct telephone calls to: Michael A. Gollin at (202) 344-4000.

Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor	
7	
Evans Taracha Sole or first inventor's signature	India
Sole of first inventor's signature	Date /
a faricha.	24/08/2007
Residence	
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Citizenship Kenya	
Mailing Address	
ILRI	21/0/2
P.O. Box 30709 58514 -00200 Janetra	24/08/07
-00100 Nairobi, Kenya	/ / /
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
Second inventor's signature	Date
<u>.</u>	
Residence	
Manchester, UK	
Citizenship United Kingdom	
Mailing Address	
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Cadishead	
Manchester, United Kingdom	
M44 SJJ	
Full name of third inventor, if any	
Simon Graham	
Third inventor's signature	Date
Residence	J
Haslemere, UK	
Citizenship United Kingdom	
Mailing Address	
Veterinary Laboratorics Agency	
Woodham Lane, Addlestone	

Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	Date
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
, , , , , , , , , , , , , , , , , , ,	
F.41	
Full name of fifth inventor, if any Yoshikazu Honda	
Fourth inventor's signature	Date
1 outli inscritor 3 a Burring	Date
Residence	
Glenelg, SA, Australia	
Citizenship Japan	·
Mailing Address	
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
Full name of sixth inventor, if any	
Roger Pelle	
Eighth inventor's signature	Date
Residence	<u> </u>
Nairobi, Kenya	
Citizenship Cameroon	
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P.O. Box 30709	
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Full name of seventh inventor, if any		
Nyerhovwo J. Tonukari Seventh inventor's signature		
Seventh inventor's signature		Date
Residence		
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Citizenship Nigeria		
Mailing Address		
Department of Biochemistry		
Delta State University		
P.M.B. I Abraka, Nigeria		
Full name of eighth inventor, if any		
Matasuke Yamage		
Tenth inventor's signature		Date
Residence		<u> </u>
Ibaraki, Japan		
Citizenship Japan		
Mailing Address		
World Organization for Animal Health		
Sanseido Building, 4F, 2-4-10 Kojimachi		
Chiyoda-Ku, Tokyo 102-0083, Japan		
		
Full name of ninth inventor, if any		
Vishvanath Nene		
Sixth inventor's signature		Date
Residence		
Potomac, MD		
Citizenship United Kingdom		
Mailing Address		
University of Maryland School of Medicine		
HSF-II, Room S-447		
20 Penn Street		
Kalimara Bali II III		

DC2/789008/v2



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provisional patent application(s) listed	below:				

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$\left[\mathbf{x} \right]$	such U.S.	provisional	application	have b	een filed	as follows:
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Please direct telephone calls to: Michael A. Gollin at (202) 344-4000.

Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor Evans Taracha	
Sole or first inventor's signature	Date
Sole of IIISt Inventor 3 signature	Date
Residence	h
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
The	24 ALLENST 2007
Residence	
Manchester, UK	
Citizenship United Kingdom	
Mailing Address	
44 Moss Side Road	·
Cadishead Manchester Heitad Kingdom	
Manchester, United Kingdom M44 511	
101-4-333	
Full name of third inventor, if any	
Simon Graham	
Third inventor's signature	Date
Residence	
Haslemere, UK	
Citizenship United Kingdom	
Mailing Address	
Veterinary Laboratorics Agency	
Woodham Lane, Addlestone	
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Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	Date
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
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00100 Nairobi, Kenya	
Full name of fifth inventor, if any	
Yoshikazu Honda	
Fourth inventor's signature	Date
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Glenelg, SA, Australia	
Citizenship Japan	
Mailing Address	
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
Full name of sixth inventor, if any	
Roger Pelle	
Eighth inventor's signature	Date
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Citizenship Cameroon	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	

Nyerhovwo J. Tonukari Seventh inventor's signature Residence Abraka, Nigeria Citizenship Nigeria Mailing Address Department of Biochemistry Delta State University P.M.B. 1 Abraka, Nigeria Full name of eighth inventor, if any Matasuke Yamage Tenth inventor's signature Date Residence Ibaraki, Japan Citizenship Japan Mailing Address World Organization for Animal Health Sanscido Building, 4F, 2-4-10 Kojimachi Chiyoda-Ku, Tokyo 102-0083, Japan Full name of ninth inventor, if any Vishvanath Nene Sixth inventor's signature Date Residence Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street Baltimore, MD 21201	Full name of seventh inventor, if any		e.
Residence Abraka, Nigeria Citizenship Nigeria Mailing Address Department of Biochemistry Delta State University P.M.B. 1 Abraka, Nigeria Full name of eighth inventor, if any Matasuke Yamage Tenth inventor's signature Date Residence 1baraki, Japan Citizenship Japan Mailing Address World Organization for Animal Health Sanseido Building, 4F, 2-4-10 Kojimachi Chiyoda-Ku, Tokyo 102-0083, Japan Full name of ninth inventor, if any Vishvanath Nene Sixth inventor's signature Date Residence Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street	Nyerhovwo J. Tonukari		
Abraka, Nigeria Citizenship Nigeria Mailing Address Department of Biochemistry Delta State University P.M.B. 1 Abraka, Nigeria Full name of eighth inventor, if any Matasuke Yamage Tenth inventor's signature Date Residence Ibaraki, Japan Citizenship Japan Mailing Address World Organization for Animal Health Sanscido Building, 4F, 2-4-10 Kojimachi Chiyoda-Ku, Tokyo 102-0083, Japan Full name of ninth inventor, if any Vishvanath Nene Sixth inventor's signature Date Residence Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street	Seventh inventor's signature	Date	
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Tenth inventor's signature Residence Ibaraki, Japan Citizenship Japan Mailing Address World Organization for Animal Health Sanscido Building, 4F, 2-4-10 Kojimachi Chiyoda-Ku, Tokyo 102-0083, Japan Full name of ninth inventor, if any Vishvanath Nene Sixth inventor's signature Date Residence Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street			
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Residence Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street	Vishvanath Nene		
Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street	Sixth inventor's signature	Date	
Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street			
Potomac, MD Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street	Paridana		
Citizenship United Kingdom Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street	7-10-10-10-10-10-10-10-10-10-10-10-10-10-		
Mailing Address University of Maryland School of Medicine HSF-II, Room S-447 20 Penn Street			
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no such	U.S.	broargionar	applications	nave	been	mea.

T _x	such IIS	nrovisional	application	have heer	filed as fo	llowe
^	j such U.S.	provisionar	аррисаноц	nave occi	i illed as to	HOWS:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/486,750	July 14, 2003	Yes .
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CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

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x such U.S./PCT application have been filed as follows:

Application Number Relationship		Parent Application	Date of Filing
PCT/US2004/022605	Parent		July 14, 2004

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I hereby appoint:

All practitioners at Customer Number 26694

all of Venable LLP, P.O. Box 34385, Washington, DC 20043-9998, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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Please direct telephone calls to: Michael A. Gollin at (202) 344-4000.

Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor	
Evans Taracha	
Sole or first inventor's signature	Date
Residence	
Nairobi, Kenya	•
Citizenship Kenya Mailing Address	
ILRI	·
P.O. Box 30709	•
00100 Nairobi, Kenya	
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
·	
Residence	
Manchester, UK	•
Citizenship United Kingdom	
Mailing Address	
44 Moss Side Road	••
Cadishead	
Manchester, United Kingdom	
M44 5JJ	
Full name of third inventor, if any Simon Graham	
Simon Granam Third inventor's signature	
I hird inventor 8 signature	Date 20/01-
	Date 28/8/07
Residence	
Haslemere, UK	•
Citizenship United Kingdom	·
Mailing Address	
Veterinary Laboratories Agency	·
Woodham Lane, Addlestone	
Surrey, KT15 3NB UK	•

Full name of fourth inventor, if any		
Duncan Mwangi		
Fifth inventor's signature		Date
	2	
Residence		
Nairobi, Kenya		
Citizenship Kenya		
Mailing Address		
ILRI		
P.O. Box 30709		
00100 Nairobi, Kenya		
		· · · · · · · · · · · · · · · · · · ·
Full name of fifth inventor, if any		
Yoshikazu Honda	•	
Fourth inventor's signature		Date
Residence		
Glenelg, SA, Australia		
Citizenship Japan		
Mailing Address		
505/19 Holdfast Promenade		
Glenelg SA 5045, Australia		•
		,
		•
Full name of sixth inventor, if any		
Roger Pelle		
Eighth inventor's signature	T	Date
	,	·
Residence	<u> </u>	
Nairobi, Kenya		
Citizenship Cameroon		
Mailing Address	·	
ILRI		
P.O. Box 30709		
00100 Nairobi, Kenya		
· · ·		

Full name of seventh inventor, if any	
Nyerhovwo J. Tonukari	
Seventh inventor's signature	Date
Residence	
Abraka, Nigeria	
Citizenship Nigeria Mailing Address	
Department of Biochemistry	•
Delta State University	
P.M.B. 1 Abraka, Nigeria	
•	
	<u> </u>
Full name of eighth inventor, if any	
Matasuke Yamage	
Tenth inventor's signature	Date
·	
Residence	
Ibaraki, Japan	
Citizenship Japan	
Mailing Address	
World Organization for Animal Health	•
Sanseido Building, 4F, 2-4-10 Kojimachi	
Chiyoda-Ku, Tokyo 102-0083, Japan	
	•
Full name of ninth inventor, if any	
Vishvanath Nene	
Sixth inventor's signature	
SWITH INVENTOR 2 SIGNATURE	Date
•	
Residence	
Potomac, MD	•
Citizenship United Kingdom	· · ·
Mailing Address	
University of Maryland School of Medicine	en e
HSF-II, Room S-447	
20 Penn Street	•
Baltimore, MD 21201	

DC2/789008/v2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

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AN EAST COAST FEVER VACCINE BASED ON CTL-SPECIFIC SCHIZONT ANTIGENS

the specification of which was filed on Jan. 3, 2006 as Application No. 10/564,397.

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such foreign application have been filed as follows:	

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under	Γitle 35, United S	tates Code §119(e), of any L	Inited States
provisional patent application(s) listed			, , ,	

	no such	U.S.	provisional	applications	have	been	filed.
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x suc	n U.S. pro	visional ap	polication	have been	filed as	follows

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/486,750	July 14, 2003	Yes

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Application Number	Relationship	Parent Application	Date of Filing
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Full name of sole or first inventor Evans Taracha	
Sole or first inventor's signature	Date
Sole of hist inventor 5 signature	Date
·	
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of second inventor, if any	***************************************
Elizabeth Jane Glew	
Second inventor's signature	Date
Residence	
Manchester, UK	
Citizenship United Kingdom	
Mailing Address 44 Moss Side Road	
Cadishead	
Manchester, United Kingdom	
M44 5JJ	
Full name of third inventor, if any	
Simon Graham	
Third inventor's signature	Date
Residence	1
Haslemere, UK	
Citizenship United Kingdom	
Mailing Address	
Veterinary Laboratories Agency Woodham Lane, Addlestone	
Surrey, KT15 3NB UK	

Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	Date
The second of th	23/08/2007
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi. Kenya	
·	
Full name of fifth inventor, if any	
Yoshikazu Honda	
Fourth inventor's signature	Date
Residence	
Glenelg, SA, Australia	
Citizenship Japan Mailing Address	
Mannig Addiess	•
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
Full name of sixth inventor, if any	
Roger Pelle	
Eighth inventor's signature	Date.
•	
Residence	
Nairobi, Kenya	
Citizenship Cameroon	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
votoo Manooi, Menya	

Full name of seventh inventor, if any Nyerhovwo J. Tonukari	
Seventh inventor's signature	Date
Securi inventor o organicaje	Date
Residence	
Abraka, Nigeria	
Citizenship Nigeria	
Mailing Address	
Department of Biochemistry	
Delta State University	
P.M.B. I Abraka, Nigeria	
Full name of eighth inventor, if any	
Matasuke Yamage	
Tenth inventor's signature	Date
Residence	
Ibaraki, Japan	
Citizenship Japan	
Mailing Address	
World Organization for Animal Health	
Sanseido Building, 4F, 2-4-10 Kojimachi	
Chiyoda-Ku, Tokyo 102-0083, Japan	
Full name of ninth inventor, if any	
Vishvanath Nënë	
Sixth inventor's signature	Date
Residence	
Potomac, MD	
Citizenship United Kingdom	
Mailing Address	
University of Maryland School of Medicine	
HSF-II, Room S-447	•
20 Penn Street	
Baltimore, MD 21201	

DC2/789008/v2



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Country	Date of Filing	Priority Claimed Under 35 USC 119
:		·
· 11		
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	Country	Country Date of Filing

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<u>A</u> j	pplication	on N	umt	er i	•. • .	Country		Date of	Filing	
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		:	•	•					****	

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Tit	le 35, United State	s Code §119(e), of	any United States
provisional patent application(s) listed be	low:	0 (),	,

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_^	such U.S. prov	isional appine	anun navç	OCCII	med as	IUHOWS.

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/486,750	July 14, 2003	Yes

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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Full name of sole or first inventor			······································
Evans Taracha			
Sole or first inventor's signature			Date
			17410
		•	
Residence			
Nairobi, Kenya			
Citizenship Kenya		•	
Mailing Address			
ILRI			
P.O. Box 30709			
00100 Nairobi, Kenya			
		. •	
Full name of second inventor, if any			
Elizabeth Jane Glew			
Second inventor's signature			Date
		•	
Residence	<u> </u>		
Manchester, UK	* ;	•	
Citizenship United Kingdom			
Mailing Address			
44 Moss Side Road	•		·
Cadishead			
Manchester, United Kingdom			
M44 5JJ	<u> </u>		·
Full name of third inventor, if any			
Simon Graham			
Third inventor's signature			Date
Residence			
Haslemere, UK	* **		
Citizenship United Kingdom			
Mailing Address			
Veterinary Luboratories Agency Woodham Lane, Addlestone Surrey, KT15 3NB UK			

Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	Date
	<u>. </u>
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	· .
Full name of fifth inventor, if any	Water the Control of
Yoshikazu Honda	
Fourth inventor's signature	Date
本为春度	20/Nint/2017
Residence	12-77-31-0
Glenelg, SA, Australia	•
Citizenship Japan	
Mailing Address	
505/19 Holdfast Promenade Glenelg SA 5045, Australia	
Full name of sixth inventor, if any Roger Pelle	
Eighth inventor's signature	Date
Residence	
Nairobi, Kenya	
Citizenship Cameroon	
Mailing Address	<u> </u>
ILRI P.O. Box 30709 00100 Nairobi, Konya	

Cultural	
Full name of seventh inventor, if any	
Nyerhovwo J. Tonukari	
Seventh inventor's signature	Date
Residence	
Abraka, Nigeria	
Citizenship Nigeria	
Mailing Address	
•	
Department of Biochemistry	
Delta State University	
P.M.B. 1 Abraka, Nigeria	
Full name of eighth inventor, if any	
Matasuke Yamage Tenth inventor's signature	
1 cliul inventor 3 signature	Date
]
Residence.:	<u> </u>
Ibaraki, Japan	
Citizenship Japan	
Mailing Address	
	*
World Organization for Animal Health	
Sanseido Building, 4F, 2-4-10 Kojimachi Chiyoda-Ku, Tokyo 102-0083, Japan	
Chryoda-Rd, Tokyo 102-0083, Japan	
Full name of ninth inventor, if any	
Vishvanath Nene	
Sixth inventor's signature	Date
	·
Residence	
Potomac, MD	
Citizenship United Kingdom	
Mailing Address	
University of Maryland School of Medicine	
HSF-II, Room S-447	
20 Penn Street Baltimore, MD 21201	

DC2/789008/v2



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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

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provisional patent application(s) listed	below:		•					

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Application Number	Date of Filing	Priority Claimed Under 35 USC 119
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Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor Evaris Taracha	
Sole or first inventor's signature	Date
Sold of this inventor of signature	·
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
Residence	
Manchester, UK	
Citizenship United Kingdom	
Mailing Address	
44 Moss Side Road	
Cadishead	
Manchester, United Kingdom	
M44 SJJ	
	· · · · · · · · · · · · · · · · · · ·
Full name of third inventor, if any Simon Graham	•
Third inventor's signature	Daté
This inventor 3 signature	Date
Residence	
Haslemere, UK	
Citizenship United Kingdom	
Mailing Address .	
Veterinary Laboratories Agency	
Woodham Lane, Addlestone	
Surrey, KT15 3NB UK	

Full name of fourth inventor, if any Duncan Mwangi	
Fifth inventor's signature	Date
Tital in citor 3 signature	- Suite
Residence	
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Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of fifth inventor, if any	
Yoshikazu Honda	
Fourth inventor's signature	Date:
Residence	
Glenelg, SA, Australia	
Citizenship Japan	
Mailing Address	
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
Full name of sixth inventor, if any	
Roger Pelle	
Eighth inventor's signature	Date
	27-08-2007
Prilare .	27-03-2007
Residence	
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Citizenship Cameroon Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	

Full name of seventh inventor, if any	
Nyerhovwo J. Tonukari	
Seventh inventor's signature	Date
Residence	
Abraka, Nigeria	
Citizenship Nigeria	
Mailing Address	
Department of Biochemistry	
Delta State Universitý	
P.M.B. I Abraka, Nigeria	
8	
Full name of eighth inventor, if any	
Matasuke Yamage	
Tenth inventor's signature	Date
Residence	
Ibaraki, Japan	
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World Organization for Animal Health	
Sanseido Building, 4F, 2-4-10 Kojimachi	
Chiyoda-Ku, Tokyo 102-0083, Japan	
Full name of ninth inventor, if any	
Vishvanath Nene	
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FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no	o such foreign applications have been filed
su	ich foreign application have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35,	United States Code §119(e), of any United States
provisional patent application(s) listed below:	

Γ	no such	U.S.	provisional	applications	have bee	n filed.
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ţ	νI	2 11 days	provisional	lannlication	have t	seen f	iled as	follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/486,750	July 14, 2003	Yes

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

1	\Box	no such	HS /DCT	annlications	have h	heen fil	ed
-1		no such	115/21.1	applications	HAVE L	жен н	CU.

x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
PCT/US2004/022605	Parent		July 14, 2004

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

All practitioners at Customer Number 26694

all of Venable LLP, P.O. Box 34385, Washington, DC 20043-9998, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Please mail all correspondence to Michael A. Gollin, whose address is:

Venable LLP P.O. Box 34385 Washington, DC 20043-9998

Please direct telephone calls to: Michael A. Gollin at (202) 344-4000.

Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor Evans Taracha	
EVANS TARACHA Sole or first inventor's signature	Date
Sole of first inventor's signature	Dete
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
Residence	
Manchester, UK	
Citizenship United Kingdom Mailing Address	
44 Moss Side Road	
Cadishead	
Manchester, United Kingdom	
M44 5JJ	
Full name of third inventor, if any	
Simon Graham	Date
Third inventor's signature	Date
Residence	
Haslemere, UK	
Citizenship United Kingdom	
Mailing Address	
Veterinary Laboratories Agency	
Woodham Lane, Addlestone	
Surrey, KT15 3NB UK	

Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	Date
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of fifth inventor, if any	
Yoshikazu Honda	I Day
Fourth inventor's signature	Date
Residence	
Glenelg, SA, Australia	
Citizenship Japan	
Mailing Address	
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
Full name of sixth inventor, if any	
Roger Pelle	I D.
Eighth inventor's signature	Date
Residence	
Nairobi, Kenya	
Citizenship Cameroon	
Mailing Address	
ILRI P.O. Box 30709	
00100 Nairobi, Kenya	
OUTOO Halloot, Kellya	

Pull limite of Sevenia inventor, if any	
Nyerhovwo J. Tonukari	
Seventh inventor's signature	08/21/07
Residence	
Abraka, Nigeria	
Citizenship Nigeria	
Mailing Address	
Department of Biochemistry	
Delta State University	
P.M.B. I Abraka, Nigeria	
Full name of eighth inventor, if any	
Matasuke Yamage	
Tenth inventor's signature	Date
Residence	
Ibaraki, Japan	_
Citizenship Japan	
Mailing Address	
World Organization for Animal Health	
Sanseido Building, 4F, 2-4-10 Kojimachi	
Chiyoda-Ku, Tokyo 102-0083, Japan	
Full name of ninth inventor, if any	
Vishvanath Nene	
Sixth inventor's signature	Date
Residence	
Potomac, MD	
Citizenship United Kingdom	
Mailing Address University of Maryland School of Medicine	
HSF-II, Room S-447	
20 Penn Street	
Boltimore MD 21201	

DC2/789008/v2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AN EAST COAST FEVER VACCINE BASED ON CTL- SPECIFIC SCHIZONT ANTIGENS

the specification of which was filed on Jan. 3, 2006 as Application No. 10/564,397.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Venable LLP, P.O. Box 34385, Washington, DC 20043-9998, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no such foreign applications have been filed	
such foreign application have been filed as follows:	

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Country	Date of Filing	Priority Claimed Under 35 USC 119
	Country	Country Date of Filing

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing
		1

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35,	United States Code §119(e), of any United States
provisional patent application(s) listed below:	

	no such U.S.	provisional	applications	have	been fil	ed.

_							
x	such U.S.	provisional	application	have	been	filed a	as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/486,750	July 14, 2003	Yes

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

П	no such l	U.S./PCT	applications	have been	filed
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x such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing
PCT/US2004/022605	Parent		July 14, 2004

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All practitioners at Customer Number 26694

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Please direct telephone calls to: Michael A. Gollin at (202) 344-4000.

Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor	
Evans Taracha	
Sole or first inventor's signature	Date
	İ
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
(Fig. 6 standards)	
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
Residence	L
Manchester, UK	
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Mailing Address 44 Moss Side Road	
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M44 5JJ	
ATATY WOO	
Full name of third inventor, if any	
Simon Graham	
Third inventor's signature	Date
	İ
Residence	
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Citizenship United Kingdom	
Mailing Address	
Wander V I A A A	
Veterinary Laboratories Agency	
Woodham Lane, Addlestone Surrey, KT15 3NB UK	
Suitey, ATTJ SIND UK	

Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	Date
Residence	
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Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
[T.1]	
Full name of fifth inventor, if my Yoshikazu Honda	
Fourth inventor's signature	Date
round inventor's signature	Date
Residence	
Glenelg, SA, Australia	
Citizenship Japan	
Mailing Address	
Access to the second se	
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
	·
Full name of sixth inventor, if any	
Roger Pelle	
Eighth inventor's signature	Date
Residence	
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Citizenship Cameroon	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	

Full name of seventh inventor, if any	
Nyerhovwo J. Tonukari	
Seventh inventor's signature	Date
Residence	
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Citizenship Nigeria	
Mailing Address	
Department of Biochemistry	
Delta State University	
P.M.B. 1 Abraka, Nigeria	
Full name of eighth inventor, if any	
Matasuke Yamage	
Tenth inventor's signature	Date
Myennaye	18 Ary 2007
Residence	
Ibaraki, Japan	
Citizenship Japan	
Mailing Address	
World Organization for Animal Health	
Sanseido Building, 4F, 2-4-10 Kojimachi	
Chiyoda-Ku, Tokyo 102-0083, Japan	
Full name of ninth inventor, if any	
Vishvanath Nene	
Sixth inventor's signature	Date
Residence	
Potomac, MD	
Citizenship United Kingdom	
Mailing Address	
University of Maryland School of Medicine	
HSF-II, Room S-447 20 Penn Street	1,5
Baltimore, MD 21201	·
AMERICAN ITEM ALAUI	

DC2/789008/v2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

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Country	Date of Filing
	Country

CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Tit	tle 35, United Sta	ates Code 8119(e).	of any United States
provisional patent application(s) listed be	elow:		

Į	no such U.S.	provisional	applications	have	been	filed
ļ	 0,0,	Provided	approations	Have	OCCII	HIG

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Application Number	Date of Filing	Priority Claimed Under 35 USC 119
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I hereby appoint:

All practitioners at Customer Number 26694

all of Venable LLP, P.O. Box 34385, Washington, DC 20043-9998, jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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Venable LLP P.O. Box 34385 Washington, DC 20043-9998

Please direct telephone calls to: Michael A. Gollin at (202) 344-4000.

Please direct facsimiles to: (202) 344-8300

Full name of sole or first inventor	
Evans Taracha	
Sole or first inventor's signature	Date
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Full name of second inventor, if any	
Elizabeth Jane Glew	
Second inventor's signature	Date
Residence	
Manchester, UK	
Citizenship United Kingdom	
Mailing Address	
44 Moss Side Road	• •
Cadishead Mancheston Mainted Wins A	
Manchester, United Kingdom M44 5JJ	
Full name of third inventor, if any	
Simon Graham	
Third inventor's signature	Date
Residence	
Haslemere, UK	
Citizenship United Kingdom	
Mailing Address	
Veterinary Laboratories Agency	
Woodham Lane, Addlestone	j
Surrey, KT15 3NB UK	

Full name of fourth inventor, if any	
Duncan Mwangi	
Fifth inventor's signature	
	Date
Residence	
Nairobi, Kenya	
Citizenship Kenya	
Mailing Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	
Eull page 97 At 1	
Full name of lifth inventor, if any Yoshikazu Honda	
Fourth inventor's signature	
rowth inventor's signature	Date
Residence	·
Glenelg, SA, Australia	
Citizenship Japan	
Mailing Address	
505/19 Holdfast Promenade	
Glenelg SA 5045, Australia	
Full name of sixth inventor, if any	
Roger Pelle	
Eighth inventor's signature	Date
Kesidenço	
Nairobi, Kenya	
· · · · · · · · · · · · · · · · · · ·	
Citizenship Cameroon Mulling Address	
ILRI	
P.O. Box 30709	
00100 Nairobi, Kenya	

Full name of seventh inventor, if any	
Nyerhovwo J. Tonukari	
Seventh inventor's signature	Date
·	Date
Residence	
Abraka, Nigeria	
Citizenship Nigeria	
Mailing Address	
Department of Biochemistry	
Delta State University	
P.M.B. I Abraka, Nigeria	
Pull name of eighth inventor, if any	
Matasuke Yamage	
Tenth inventor's signature	
	Date
Residence	
Ibaraki, Japan	
Citizenship Japan	
Mailing Address	
World Organization for Animal Health	·
Sanseido Building, 4F, 2-4-10 Kojimachi	
Chiyoda-Ku, Tokyo 102-0083, Japan	
Full name of ninth inventor, if any	
Vishvanath Nene	
Sixth inventor's signature	
1// 4/ 14 24	Date
Vishvandt Nene	8/28/07
Residence	(20)
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Citizenship United Kingdom	
Mailing Address	
University of Maryland School of Medicine HSF-II, Room S-447	
20 Penn Street	ł
Baltimore, MD 21201	1
-, LILVI	

DC2/789008/v2